

**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL SEARCH REPORT**  
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 122176x261	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/NZ03/00118	International filing date (day/month/year) 9 June 2003	(Earliest) Priority Date (day/month/year) 9 June 2002
Applicant GARVIN, Alan Mark et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract, ☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. 2

☐ as suggested by the applicant.

☐ None of the figures

☒ because the applicant failed to suggest a figure

☐ because this figure better characterizes the invention

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ03/00118

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>												
Int. CL. <sup>7</sup> : B02C 25/00, 19/06												
According to International Patent Classification (IPC) or to both national classification and IPC												
<b>B. FIELDS SEARCHED</b>												
Minimum documentation searched (classification system followed by classification symbols) IPC <sup>7</sup> : B02C 25/00, B02C19/06, 19/00 with key words as indicated below												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched -												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI IPC as above with key words cascade, bypass												
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
P, X, Y P, A	AU 200242410 A1 (General Electric Canada Inc.), 28 November 2002 Whole Document	1- 19, 21, 22 20										
X, Y A	AU 199959442 A1 (Tata Consultancy Services (a Division of Tata Sons Ltd.), 31 August 2000 Whole Document	1- 19, 21, 22 20										
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex												
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention											
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family											
"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 9 September 2003		Date of mailing of the international search report 16 SEP 2003										
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  MR KIM WELLENS Telephone No : (02) 6283 2162										

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ03/00118

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y A	WO 01/76756 A2 (J&L Fiber Services, Inc.), 18 October 2001 Whole Document	1- 19, 21, 22 20
X,Y A	US 4662571 A (MacDonald, deceased et al.), 5 May 1987 Whole Document	1- 19, 21, 22 20
X,Y A	US 3970257 A (MacDonald et al.), 20 July 1976 Whole Document	1- 19, 21, 22 20
A	US 5145118 A (Canada), 8 September 1992 Whole Document	1- 22
A	Derwent Abstract Accession No. 92- 282189/34, Class P41 SU1681953 A1 (Ferr Metal Ore Enrichment Agglomeration), 7 October 1991 Whole Document	1- 22

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ03/00118

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
AU	42410/02	AU	200242410	BR	200202046
		US	2002175232	CA	2387244
AU	59442/99	AU	NONE		
WO	200176756	AU	200145956	CA	2414944
		AU	200145566	CA	2406031
		FI	20021789	US	2001044670
		AU	200147316	CA	2339612
		NO	20011195	SE	200100749
		WO	200166855	US	2002091492
US	4662571	AU	87962/82	CA	1189045
		NZ	198307	ZA	8206374
US	3970257	AU	61032/73	FR	2201928
		JP	49095255	GB	1439639
US	5145118	NZ	242378	ZA	9202914
		GB	2276335	WO	9308917
SU	1681953	NONE			
END OF ANNEX					